7530-274-5494 FEDERAL SUPPLY SERVICE

Kristensens

Preservative for Tardigrades and Other Minute Critters

Add sodium borate (N2By Og. 10H20) & a known quantity of seawater until seturated. Add mongh formalin to make an 8% solution. Dilute with dH20 to make a 4 % formalin solution when ready for use:

Higgins modification:

Saturate seawater as above w/ sodium borate, Add enough formalin to make a 12% solution. Dilute will dHaO to make a 6% formalin solution when rend to use.

Kristen ens In the For Tandiquenes and Other Minute Critters H. (N.E. J. 104.2). in an exactly of leaventer with petrontel. Ill énu Lundit mu ? wit dH20 to make a 4 % formalin more Who was the sale. Higgins modification: Saturate secreter as above w/ sodium borate. Add enough for in to make a 12% solution. Delute will dH20 to make a 6% formalin Delution when read to use.

Edinodere Jew. - Spener Stat on 6 th segnest + go lack Certodores middoral Apine 30 00 its way of world on Juvenils "x"- Thinner w shorter teaminal

spine relative to bad, length

2013 large de sur \$ 561. Lemnoderes - longer terminal Apino relativo to Short chiebly loody - 1 Strunk Segment Dequered . . . Coterio - desent have donal spines on all regrests

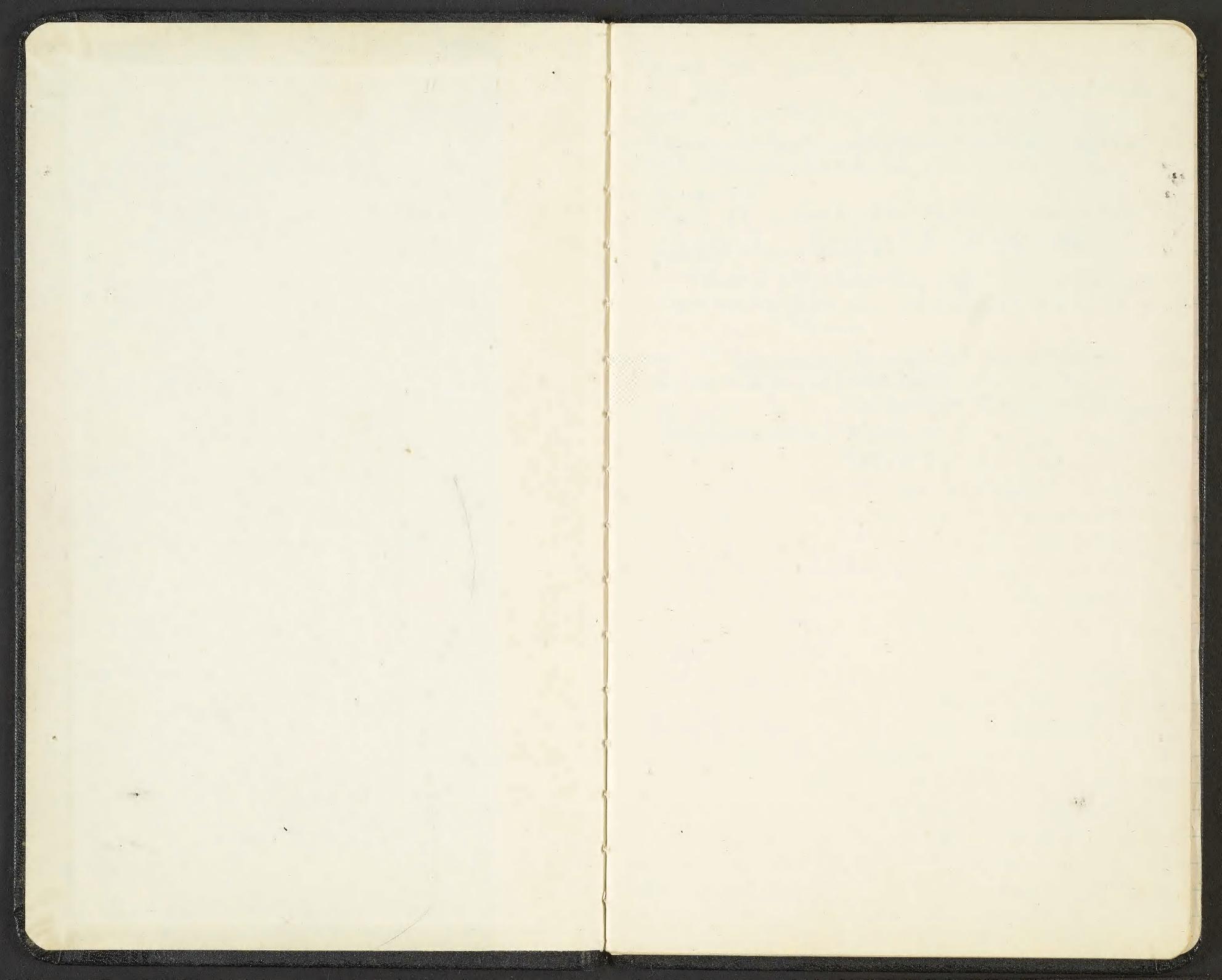
no "humps" COMMON Rare P-1 (lateral view) shorter P-2 lenger P-1 Thick straight (or less around) Thin, curved "kumps P-2 (lateral view)

Ryanophys centrophyes -1? centroduras) or x? Controplyes?-2. Echimoletes 67891011

840403.1 RH 1953 1) 1. t. / 1 552 / X Collected Key, NGO dept RIVERIME, Districte Mainte 84 55 W 24° 385' N Hallman With grand

1 - 1 draw vial

1 - 60 ml bottle conduc



"KRISTENSEN'S" FORMALIN

- 1. Add sodium protecte (BORAN) (N2 B4 67.10 H20) to a given volume of fittered sea water until setwated
- 2. Add enough full strougth formalin to make an 8% (12%)*
 Solution [Hus is a stock solution]
- 3. Dilite stock solution with equal volume to make a 4% (6%) Solution when ready to use.
 - * this modification allows for compensation of excess sea water added during bulk processing of suchmost

Cruise No. Two. 16
2-1-82
Coes: RPH: MLW
Approx. Location - 20 nautical miles affahro
Fit. Pierco
Temp. 74

820201.1 Sample # 3 RH 1559
Time in 1:30
Time out 1:35
5 min.

Loran Cin: 14407.28

43238.30 Depth: 72 fattoms
Loran Cout: 14408.40

43245.47

Samples completely sorted

Acc. 348815

Cruise No. 16 Sample # 4 doran Cun: 14409.07 Time in 1:46 Loran Cout: 14410,40 14 min . 43257.69 Sample washed out Sample # 5 820201.2 RH 1560 in one 17 min + 30 min to retrieve Sample had more sealment - muddy Soran C in 14410,38 43260.19 Joran C out 14411.50 43269.38 Depth: 64 fattoms

Un order of abundance

Most abundant: Pycnophyes

Centradores (2 species) pyrrophyes with extruded eggs Mesi invertebrates. Donne tanaids, some polychastes Donne nematides, numerous cotracads, some

copepado , a few meter + turbellarians Some dusidue left Acc. 348815

Date: 4-5-82 Grusse No. 18 Collectors: Higgins, Wallace, Reichardt Approx. location: Gulf Stream Temp. 78°F Salinity 61 refinder Tim In 1147 Time Out 1200 Total time: 13 minutes 820405.1 = Loran C 14405, 4 Damples 1 + 2 43229.8 combined Depth 66 Attems. Little Sediment + completely socied Sample 2 Time eln 1220 Time Out 1230 Total time 10 minutes Loran C 14405.9

Cruise No: 18 Sample 3 Time Eln: 1240 Time Out, 1251 Total time: 11 min. Joran C 14407.6 43240.9 Depth: 67 Altoms: Sample Soot Sample 4 1 imo cln: 1257 Time Out. 1310 Total line 13 min Joran C 14408.8 43249.6 Dudn't get a sample Dample 5 - 820405.2 Time Un: 1325 RH 1562 Not completely Time Out: 1337 12 mm, Loran (14410.8 Pipo dredge

Date: 6-2-82 Collectors. Robert Higgins, M. Wallace, JB Pircano Approx. Location: Sulf stream
Temp. 80° Salinity: 35°/00 Sample 1 820602.1 Time Un 10:36 Time Det 10:51 RH 1598 e 15 minutes Loran C: 14405.12 43231.32 Depth: 722 stattoms ancha dredge Jample 2

Time vln: 10:52

Time Out: 11:07

15 minutes Loran C: 14406.94 Anchor dredge RH1599 43241.81 Sample 3 Time elm: 11:32 Line Out: 11:48 16 menutes Loran C: 14407.21 43236.89 Higgin's meiobentlie dredge Sample lost

Date: 6-2-82 Cruise No: Trs. Gruise 19
Collectors. Robert Higgins, M. Wallace, JB Pircano
Hugh Reverlandt
Approx. Location: Hulf stream
Temp. 80° Salinety: 35°/00 820602.1 Sample 1 Time the 10:36 RH 1598 10:51 lime Det 15 minutes doran C: 14405.12 43231.32 722 Salloms anchor dredge Depth 133 meters 830602.3 Sample 2 Completely Sorted RH1599 Tumo cln: 10:52 Timo Out. 11:07 15 minutes doran C: 14406.94 43241.81 Sample 3 Time eln: himo Out: 11:48 16 minutes doran (: 14407.21 43236.89 Higgin o meiobenthic dredge emple lost

RH 1598

RHIETP

Semnederie much beinder Dan X form Lateral view - Thin for rewal Washbottles

yellow = ale

red = formalin solid fed 95%

blue = sea

clay = dist,

green = de w/glye

Blue - Tard Red - Kins Green - give away White - unsorted Yellow - Tresidue

Cruise Ne: 18 Sample 3 Time eln: 1240 Time Out. 1251 Total time: 11 min. Loran C 14407.6 43240.9 Depth: 67 Attoms. Sample Soot Sample 4 Time cln: 1257 Time Out. 1310 Total line 13 min Loran C 14408.8 43249.6 Didn't get a sample - 820405,2 RH 1562 Time cln: 1325 Time Out: 1337 Total Time 12 mi 12 min . Loran C 14410.8 Pipe dredge

The A speed Date 8-2-82

Gruise No. 20 Collectors Reichardt, Higgins # Wallace Approx la. Kulf Stream Temp. 85° Salinity 35%00 Sample 1 820802.1 RH 1625 Jume Elm: 11:12 Time Dut: 11:30 18 min. Joran C 43215.80 61924.53 Sample Completele Sorted Depth: 74 stathoms 300 m. of line released 820802.2 Sample 2 Time Un: 11:44 RH 1626 Lycosphyes sp.1-most abundant Time Out 12:00 16 min. Many pycnophyes Juveniles Centrodores "X" Loran C. 43227.90 61921.91 Depth: 72 Sathoms 300 m of line released Few Kinochynchus + Echinoderes anchor Gredge Pan = short + robust 1 = long skinny Sample completely x = thin, long middowal spines Sorted whereas lemnoderes has short on an I somed docad Spines - almost segment as

84 1635

extended (Man)

JENIA

Ceceptable Tranges
43236-43236
61923 Starting coordinates you ment
bample

Take coordinates beginning time when 300 m are in + tween the Begins To retrieve which

NITEX Net: TETKO, INC 420 Saw Mill River Read Glusford NY 10523 914-592-5010

26013 - 66013

9 ato: 40 J. 1982 Grune 100. 23 Collectors Themp 84 Salinety 35/00 Sample #1 x 2 - no Sample scetrieved cu. Box cover Sample #3 - a little sediment - Box cover 821004.1 1 imo elon: 12:01 Time Dut: 12:06 5 min. Loran C. in: 43229.8 61923.1

Joran Cout: 43230.3 61923.0

Depth: 68 Sattoms

No knochynchs!

Dample # 4 Box corer - Ino sample.

Sample # 5 - anchor Dredge 1 ime 2m: 12:40 821004.2

Time Out 12:54

Depth: 69 Sattoms

Joran C In: 43232.7 61921.0 Loran C Out: 43231:4

61922.3

Good Danyplo Ryenophys sp 1 most Centroderes - next mos abundant (over) Some sp "x" + Semnoderes spo Few Kenochynches + Sew Ecknoderes "X" has been more abundant Than in preciones sample 11 P 11 - more abundant than in privious Samples. Sorted residue down in Ft. Pierce consequently we have a sets of sorted
vials:

Fish House Cove, Ft. Pierce, Ft.

Oct. 7, 1982 821007. 1

Jac. Fish house cove & Kinochyncheis
Coll. RPH NWoody & Pychophyles sp

Depth. I meter & Pychophyles sp

Sample # 2 821007. 2

Jear Core
Lear Core
Coll. RPH Woody

Date: 6 Dec. 1982
Tris. Cr: 24
Collectors: Huggins, Wallace et al
Approx Location. Hulf stream
Temp: 76° F Salvinty 35 %00 821206.1 Time Dut. 11:00 14 min RH1653 Loran C. 432309 61920.6 61919.1 Depth: 10 Sathoms anchor Dredge Only I sample taken 821206.2A doc. 27'30.0'N, 80° 11.2'W Dept : 48 # Amphianus - coanse sand shell 6 mi E Ft Pièrre 16 m depth Minor hynchs = from both. 2A4. 2B= RH 1654

Date: 31 Jan 1983 Tro. Gr. 25 Collectors: Disgoins, Wallaco, Rechardt, Los Approx. Loc: Veast FJ. Pience Inlet 1 Jemp. 76° F Salinity: 35%00 Time con: 10:55 830131. Time Out. 11:02 Total 7 min 43226.2 61922.3 Dupter: 68 stattems (approx 124 meters) Equip. : Box Cores (Bucht +1) - 3. suparate vers Time Elm. 11:46 Time Out: 12:00 830131.2 43230.7 (clm) 61921.8 43233.2 (out) Equip. aneld Drudg (Buchets #2+3)

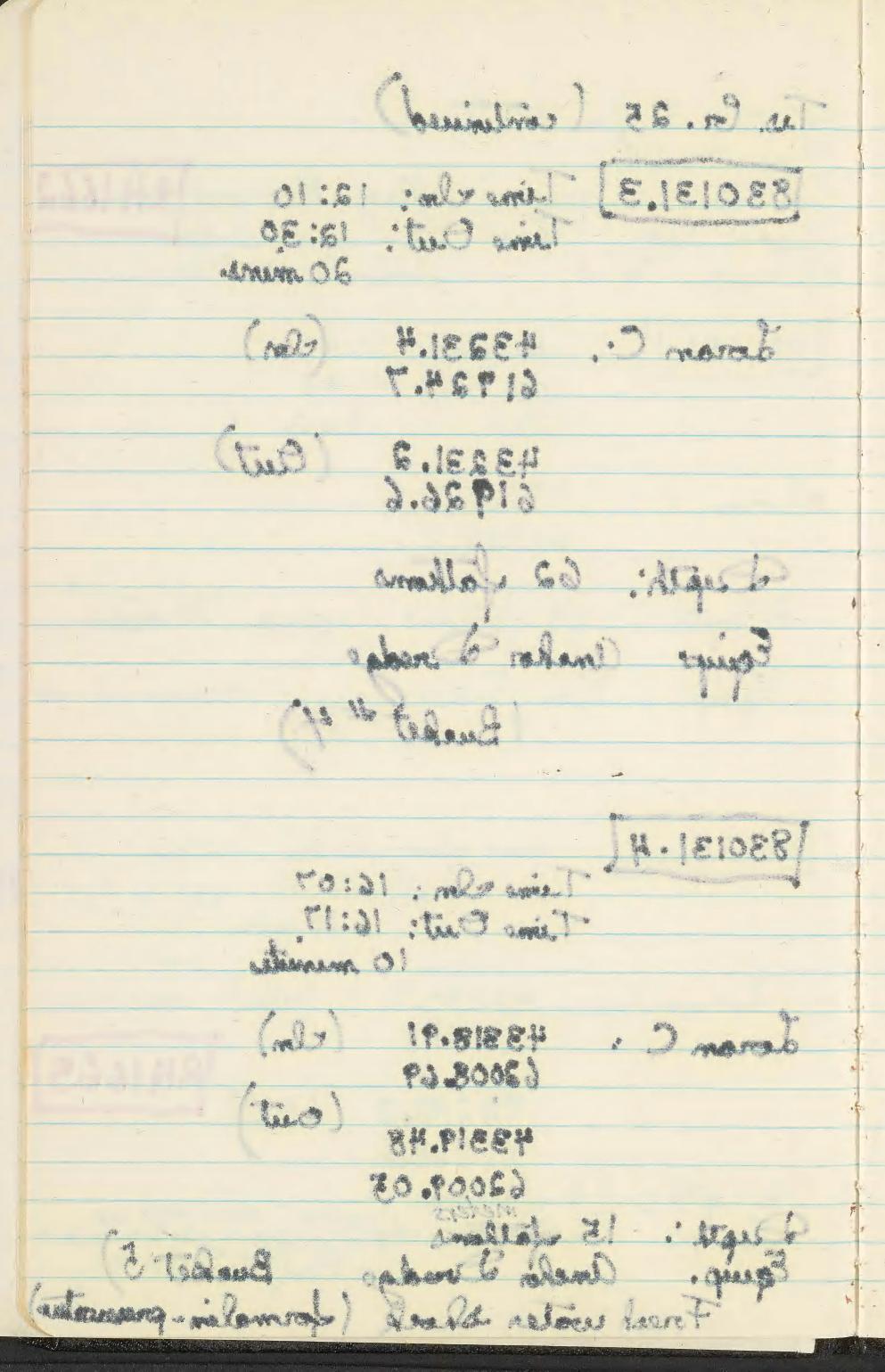
Two. Gr. 25 (continued) 830131.3 Time clm: 12:10
Time Out: 12:30
20 muns RH 1662 Jorain C. 43231.4 (clan) 43231.2 (Qui) 61926.6 Depth: 62 falkens Equips Analos Drodge (Bucket # 4) 830131.41 Trime Son: 16:07 Des Timo Dut: 16:17. 10 mentes 43318.91 (clm)

Joins Sm: 16:07

Timo Dut: 16:17

10 minutes

10 minut



830201.1

1 Feb 1983 1600 Ars EST

Beach at Pepper State Park, F1 Pierce Interstitual sample taken at High tide mork 3/4 + way to low tide at low tide. Coarse to medium saved 36 /60 3 28°C 25-50 CM korizon

frosh water shocked, Kristonson Gronalin preserved

Coll. Higgins and Lee

830205.1 Beach at Howard Johnsons Elslamorada, Hlorida (k) Cchinoderes

Market and the second of the s A SHEET CHANGE THE THE STREET SHEET call. Manual and the

Big Pine Key Collectors: Higgens, Md Wallace, Jim Thomas Sheriff's Island Channel RH1665]

Fine grey much in 830206,1 Pycnophyes & Echinoderes Mensfound Harbon Channel TRH1666 Marker 3 NMD 830206.3 Newfound Harbor Channel Coupon Bight mear power lines Depth: I meter Pycnophyes, Echinoderes 830206.4

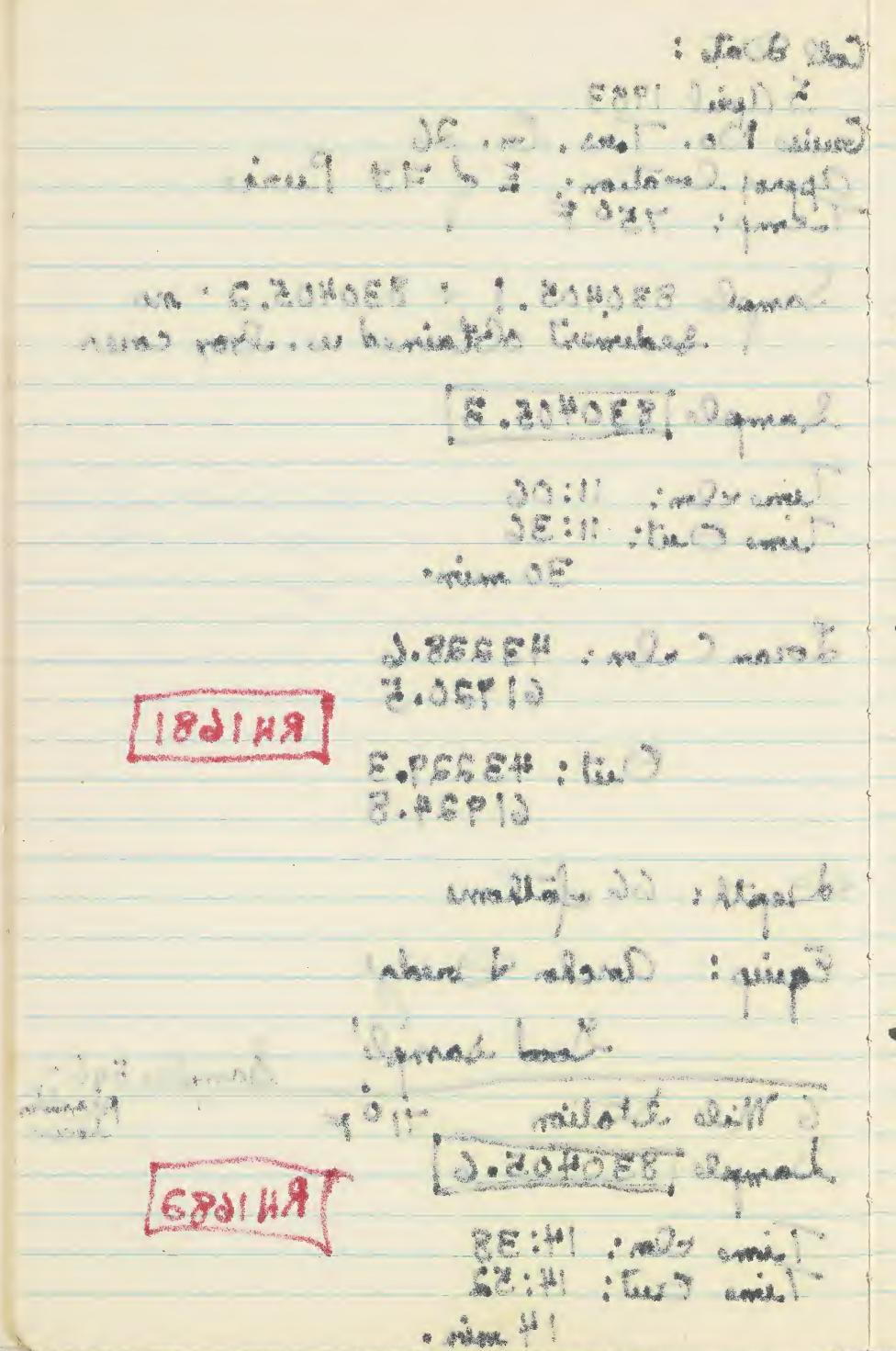
4 mile 5W Marker #2 RH1668 for shock (Reinhard has)

830206.5

400 yards 5W Sheriff's Elsland Find mud 1 meter depth

RH1669

CO Dat: 5 april 1983 Guise No. Tors. Gr. 26 approx location: E of FI Puriso Sample 830,405. 1 + 830405. 2 - no Sediment obtained w. Box cores Lample [830405.3] Time clm: 11:06 Most abundant Time Del: 11:36 Some Semmoderes Tew Edinoderes Tew X" Most abundant = Pitter Loran C In: 43228.6 Very Jeen Pa 61920.5 RH1681 Ө.मं: 43229.3 61924.8 Depth: 66 efattoms Equip: ancho Dredy 6 Will Station 14 min .



Loran C Dn: 43296.06 62005.31

日か: 43299.40 62006.08

Equip. 35 feet. Dudge.
Buehet #3+6

Bucket 5 Echinoderes + Pycrophys

Clean sheep somple trusted

Sample 830405.7

Time Dm: 15:09 Time Dud: 15:20 Il min.

Loren C Wh: 43319.68 62006.88

> Out: 43317.24 62005.41

Deptt: 50 fet

Epips: Anchor Dredge No sample and the second

Bondon Ch

A MARIE MARIE MARIE MARIE

POSSI I MELT MILE

Charles in the mark 38.30060

62008. 11

Sample | 83 04 05.8]

Time Dui: 15:40 Time Dui: 15:48 8 min .

RH 1683

Loron C clar. 43319.8 62015.3

Joseph (Det: 43319.5 63015.4

Bucket 8 To Juch WILLIAM

Depth: 45 sket Equip: anelo Dredge

Buckets + 7+8 (lots of riches Muddy hand TA= & FW shock TB= I for Bib Good Joannel TA= & Fw shock Twing The Bib Sample 830405.9

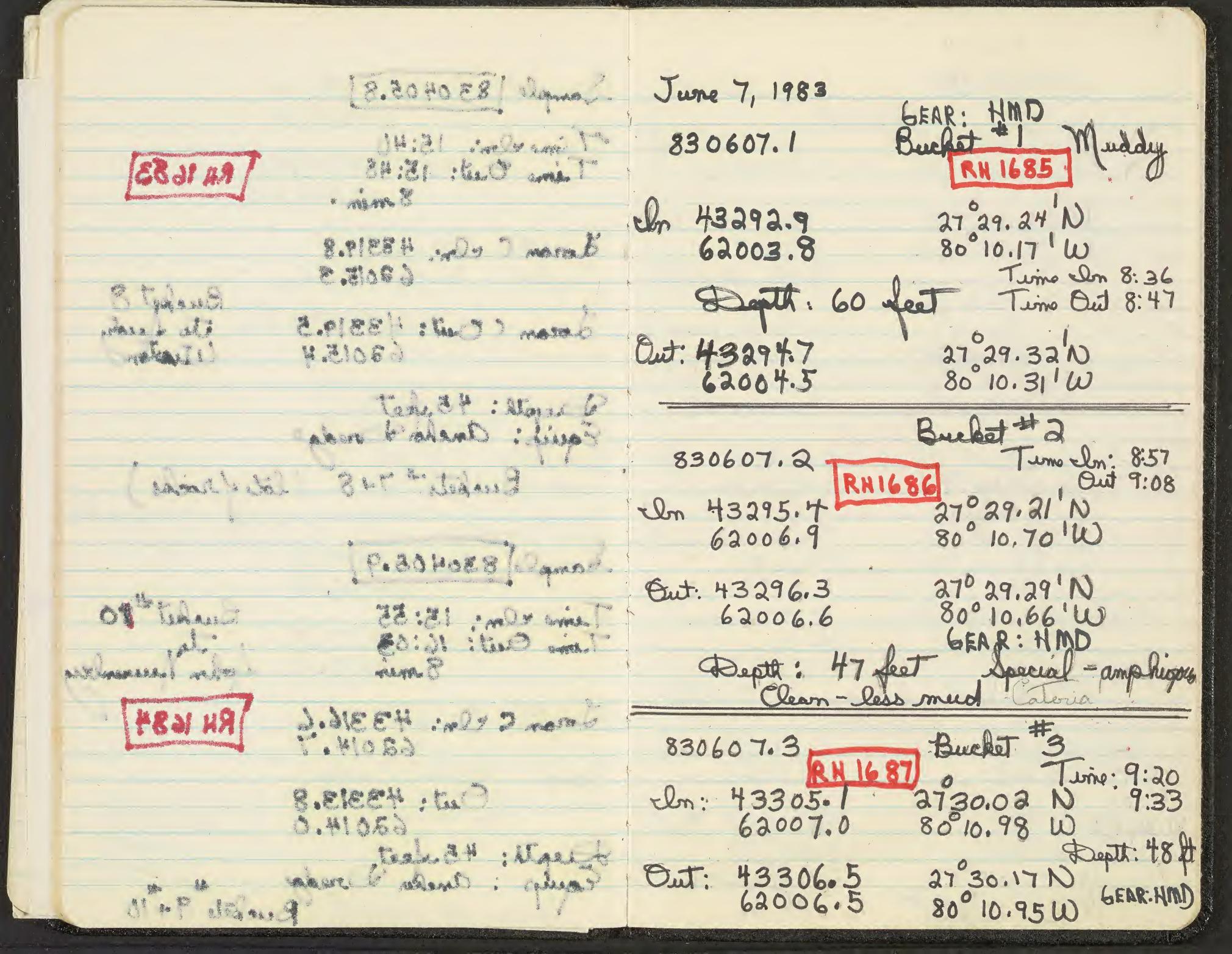
Time Wm: 15:55 Time Quit: 16:63 8 min

Joseph C Who: 43316.6 62014.7

> Out: 43313.8 62014.0

Burket 10

much much) Buelets 9+10



	830607.4	1688 Bucket # 4
	Wn: 43302.4 62001.9	27° 30.16 N 80° 10.14 W
	Out: 43304.0 62000.4 Depth= 58 4t	27° 30.39 N 80° 09.96 W
	Time: 9:45	Muddy
	830607.5	Bucket #5
	Um: 43310.2 62002.0	27,30.80 N 80° 10,40 W
	Out: 43310.9 62001.2	27°30.92 N 80° 10.28 W
	Turno: 10:11 10:26	Depth: 59 feet GEAR: HMD
	830607.6 RH	1690 Bucket #6
	Un: 43314.1 62007.1	27°30.77 N 80°11.27 W
	Out: 43315.2 62006.4 Timo: 10:38	27° 30,93 N 80° 11, 19 W
	10:38 10:55	Death: 49 feet

American Company

CMHINASIN

8306 14.1
Date: 14 Auge 1983
Coll: Woody Lee & Afrigh Reichardt
Loa: Approx 20 nautual miles E. of Ft. Pierce
Depth: 117 m.

Time eln: 14:54 15:10 16 min. Horan C: 43231, 1 Eln. 61923.0

Loran C: 43231.8 Out 61924.3

GEAR: anelon Dredge

TAN DATE

when Charles (Made)

830726.1

Cruise No: Tru, Cd. 1983

approx docation: E & Ft. Pierce

Time Un: 11:24

Time Out: 11:40

Dapth: 66 falkon

Loran C In: 43229.4

61922.8

Loran C Dut: 43237.7

619 22.9

Equipment: Anchor Dredge No Sample Florest untied

830726.2

Time Dut 12:20 12:30

RH 1692

11 men.

Loran C Un: 43231.6

61921.9

Depth: 64 fallows

dorum (Out: 43235.1

61923.8

Amelor Dredge. Very little sedement

830726.3

Time Dut 12:44
Time Out 12:51

Loran C Dn: 43230.3 61921.4

doran C Out: 43236.4 61921.5

Equip: Anchor Bredge
No sample
Busket (2)

830726.4

Time Duit: 13:26 Time Duit: 13:38

Joran C clm: 43231.8 61921.8

Loran Cout 43244.7
61922.3
Equipi Ancher Dredge
No sample - knot untred
Depth: 69 spettoms

Samples 5 c6 - plantiton tows

836726.7 Ly mile rite actually
Time Din: His His
Time Deet: H53
HOmin

Gran C. Dni H3288 6 RH1693
61992.4

Joseph: 66 feet

Equip: Anchor Driedge

Eduria Un.

Build 3

830726.8 Locality - approx Timber

Time Dut 17:15

10 min.

doran C Dn. 43292.4 RH 1694. 8000 C District 43291.9

Equip: Anchor Dredge

Buckets (4) & 5)

SIX-MILE-SITE 04 OCT 83 samples blen w/ancher dredge, shy in ~100 m circle

831004 1 STA A Time in: 0855 Time out: 0859 Depth in: 54 ft

Depth out: 50 Loron Cout: 43350.2,62018.2 Lorenc in: 43349.5 Sed. Type: 62088.0

Bucket no. 1 worm rock arm, comes sand w/ much silt

KH 1817

831004,2 STA B

Tim in: 0915 Depthin : 56"

Loren C 10: 620 10.8

sod type:

Time out: 072.7 Dyath rate 53

Loren C pot: 43344.1,620/0.7

Backetin: 2 coarse oand w/ Anyhurn

KH 1818

83/804.3 Sta C)

Time in: 0940

Dynhin: 54

Loren 6 in: 43341.0 62003.7

Sod - Type .

13341.0 62003.7 Larancail 433418, 62003, 7
30.0 04/0 Larancail 433418, 62003, 7
Bodiet # 3

comes sand, relatively chean

RH1819

Slevery letry is sorting all samples from 64 Oct. 1983 crosse

831004.4 Sta F

Time in : 1005

Time out: 1017

Doythin: 58 473 30.0 Loren Cin: 620 04.0

Depth out: 56 Lorun C int: 43329.6

Seel Type:

Bucket no: 4

mud in coarse sand, first bucket mostly used second nursely come sand but my silly

bubble fraction of - Coloria,

RH 1820

831004.5 Sta(E)

Time in: 1030

Dystoin: 581

Larencini 33.9 11.3

There out: 1041

Depth out 56 ft. Loran Cod: 43333.8

Bucket no: 5 Sed Type:

coarse and, much shell, sitty RH 182

831004.6 D

7mu mi 1052 Depth in: 481

Time out 1102

Depth out 45 Lame C'us 433 38.7/ 620 18.2 Loren C'in 43338.7, 620 18.3

Sed Type: finer smil

muxed of coarse + shill, some wilt

KH1832

which is the second of the sec The state of the s The second of th The second transfer of The state of the s The state of the s

831004.7 Sta G

77m in 1115

115

115

1000th in 35

1000t

83 100 4.8 Stu (H)

Trumin 1185

Trum out 1144

Digth not 48

Loren C in 43321.9/62011.1 Loren C out 43322.5/62011.3

Sod type

med-course, bettle self

RH 1824

8360 04.9 Sta (I)

Time out 1206

Dupthin 35

Lenon Coi A3319.1 | 62003.7 Lenon Con 43320.4 | 620042

Sed types

Med course of shell

RH 1825

831004.10 Stage

Time in 1230

Ryth in 43325.1 61997.

Loren Cin 211926

Dupth out 50 Loron C out 43325.9/4097.1 Bucket (w/o handles)

Six Wile Site 6 Dec. 1983, Temp: 76 F docality: 6-8 mi. afshore Mean: Anchor 931206:1 Time in: 9.25 Time Out 9:37 Depth in 62 at. Depth Out 63 it. Joran C. 43336.30 61997.34 doran [out: 43335.93 61996.07 Sedement Type: Meducon Sand, Shell Mash Bucket no: 142 R41827

831206.2 Time Out: 10:02 Depth in 59 St. Depth Out: 58 St. Joran 6 un: 43324.9 61997.1 dorum C. out: 433 25.2 61997.5 Bucket no: 3 q 4 w. amphiopous to probably received his more men it is present

831206.3 Turne un: 10:19 Time Out: 10:30 Depth uni 57 th. Depth Out: 52 th Joran Cun 43311.1 61996:8 doran Cout: 43312 61996.3 Sedement Tuppe: Slightly Sines shell hash. Bucket no: 546

'a devel processed his - absended then presented Mood Glaria + Lamencoderes + RH1829

831206.4 Time in: 10:48 Tuine Out: 11:01 Depth in: 61 ft. Depth Out: 60 oft. Loran Cin: 43305.4 62003.2 doran Cout: 43307.1 62003.0 Sediment Type Medium sand, clean shell hash w. Bucket no 7 RH1830

831206.5 Time in: 11:24 Time Out: 11:34
Depth Out: 65 ft doran Cun: 43'302.4 61997.7 Loran Cout: 43301.7 61996.2 Sedument Type: Coarse sand, shell hash w Bucket moi. 0'8 q 9 ampliopus 2° picel processed his - observed flow preserved

RH 1831

831206.6 Time in: 11:50 Time Out: 12:01 Depth in: 59 st. Depth Out: 64 st Joran (m: 43299.0 61990.2 Loran Cout: 43297.1 61991.4 Sidement Type Medium sand, shell hash Bucket no: 0' 10 + 11 RH1832

Note: add n 5 ft to depth reading because Ship in ~ 100 m circle

831206.7 - Plantoton tow Date: 6 Dec. 1983 Time Dut: Hugh's Nampels.
Loran C. Depth : William William Flometer - 42835 emp.

4 U S 4 S 5

the state of the s

the state of the s

Sherry Letry Completed samples as af 12/7/83 - anything labelled Just kinochynch - difficult to identify 3 Core samples taken on Jan. 31, 1983 Cores # 3, 4 45

830131.1 3A: Pycnophyls - 10

Echnoderes - 10

Semnoderes - 5

Centrodores - 6

Cateria - 4

Unknown - 1 Various invertebrates - 89

3B: Echinoderes - 14 830131.1

Centroderes - 1

Typenophyles -13

(siw.?) Various invellebrates - 16

830131.1 Typerophylo - 2 3c:

Henorlyned -Unknown -

Various invertibrates - 3

3D: No animals 830131.1

830131.1 3 E: Various invertibrates - 6

830131.1 3F: No animals 830131.1 36: Various invertibrates -

Shorry Petry - completed Damples RH 1660 Continued to ace all yours a believe to proceed more at adjudal pulling " eg T SI 830131.1 4A: Pyenophyes few themselvent - despert to identify EBPI, TE, mal no model solames sol- E Echinoderes - 13 T. . 4 5 4 6 5 Cateria 54 R 10 P C Semnoderes -Unknown - 5 830181.1 3A: Preparety - 10 Various invertebrates - 55 S" we sty mentioned in E. " WALLES WINEY Solenogaster -Contraction - 6 7 - sincle? 4B: 830131.1 1 - municalist Kenoshynchs - 20 OB " Sand A Tomana Manager ! Typenophyes - 17 Echinoderes - 6 850131.1 38 Exhanders - 14 Centroderes - 2 I - squatarilies Various invertebrates - 11 Elma obstancesti (Tuis) HC: Pycnophyes - 1 830131.1 direction and interest of Various Invertebrates - 12 (mostly 830131.1 3C. 1.181088 - D 4D: Various invertebrates - 6 No kinochynicks! transcellenger of 830131.1 TYLKEN NA AME E- Washelmer assessed 4 E: No seinoelynche fardigrades nor Foreciferans speind 830131.1 Secret 3D: The contract 4 F: Various invertebrates - 2 No kinodynchs 46: No invertebrates or kinochynds ** Windstandand :3 E 830131.1 830131. I 3F: No arright 830131.1 - Marthaguer march 1 de 1.181088

Shoory Letry - completed Dample RH 1660-Ocontinued El « DIL 1000 9 1 At 1.181088 830131,1 5A: Cateria - 1 Lyonophyes - 6 W CONTRACTOR WILLIAM Eclinoderes - 12 - sincia) Semnoderes - 1 MA ADEAD SAME NO MA TO THE Paracentrophyes - 1 me same and Various invertebrates - 23 The - start desired amino 1 - accommendation Remarks: Specimen (Echinoderes) set aside of photography 1.(51058 Temenuments or 20 5B: Typenophyes - 10 · strengenesst 830131.1 or approximation Centroderes -Cateria Lumbrand my 11 - alegarithment water Echinoderes -Kinochynchs -Unknown the live paragraph of 1.IETOE8 Contents Livered to the State of the Content of Various univertebrates - 11 Stanley No. 50: Various invertebrates - 3 830131.1 830131.1 4D: Consumo consections - C 5D: Various invertebrates - 7 Company of a 830131.1 1. 5 830131.1 5F: Various invertebrates - 2 which was well the the not betterment when 830131.1 5F: No animals H F: Consumer disconsistent : 7 H 1.18 108 8 830131.1 56 : No animals deminated to the district 1.181088

Date: 22 Sept 1983 Collectors: Showing Petry and Woody Lee Slovey Petry - Cores Sampled 9/22/83-3 station B RM 1814-RH 1816 were Sampled B-1-1 830922.2 1.1 Tarcharades — 1 Cateria — 5 Music. — 169 (182 copepods) g . contracting Et " Wetterwood I we was been no parties. I more than the same I E & - When them me comment B-1-3 830922.2 1.3 Music - 48 Line and a freezential Columnostice Let B-2-1 830922.2 2.1 Music. - 61 a server of a server of 01 - Sulasmul : 33 1181088 B-2-2 830922.2 2.2 Lander of the Land Colonia - 2 Musi. - 13 1 - commenced Menundaments on E 830922. 3. 2.3 Muse - 20 - Theorem 11 " ITEP LABOUR CHONEN! 830922.2 3.1 Secretation in the transfer of the state of Cateria - 3 Music. - 91 T - plantarent water : CE 1. 1510E8 831004.1 Anchor Dredge Muic. - 19 5 - Warditheren Investible 1 18 1 1818 Samuel First of Council 830131.1 56: A remarks of

The second of th Pepper State Park, North Hutchinson Island, Ft. Luce Feb. 8, 1984 the second secon 840208. Collectors. RPH, Reunhardt Kristensen, MLW. Locality: Pepper State Park, 10 meters north of north boundary line, 8 meters sfrom shigh tido mark (19 meters o to get a get a get a Depth. (70°C). ST. TO BE STREET STREET Substrate; sand sample taken. 840208.2 Locality: Pepper State Park, 10 meters north of north boundary line, I meters from high tide mark (18 meters from Sign) 1 2 2 2 3 3 3 3 3 Depth: 17 meters (50-75) Temp: 160C Substrate: Sand Carry Carry Carry St 840208,3 Locality: Pepper State Park, 10 meters morth
of morth boundary line, 6 meters
from high tide moork (17 meters
from sign)

Depth: 75-1

Temp. 18° E

Six- Wile-Site
RIV Morning Watch
Collectors. RPH, Reinhardt Kristensen, Mhlid,
Shorory Petry, Julie Inviano + Hugh Reichardt Loc. Six miles east of Ft. Twice, Florida 840209.1 RH1877 6.5 miles of share Time clan: 11:30 Depth; 60 fact. Time Out 11:45 Depth: 55 feet 43321,1 619948 Ioran Out: 433255 Sediment? 619933 Bucket No: 1 Black, coarse sand; dredge à full 840269. (2) RH1878-43319.4 Som ilm Dopth: 35 feet Jime: 12:03 620022 Nepth: 55ft 4-35182 Lan Our Jime: 12:17 62004.1 43318.2 Depth 50 fe Tine: 12:20 620050 coase Amphicaus -Good, sample. mixed with sand. block

840209.3 RH 1879 in Time: 12:35 Depth: 45ft Sovon: 433149 620022 out. Tine: 12:47 Depth: 45ft Sovania Loran out 433154. Fine amphiores sand Bucket 3 Tardigrada: 848209.1, 2 and 3 Batillyses mas sp. 1 Batellipes diviocercus lanoretus dentriticus Tanaretus nou sp. Raiaretus colonis Thologratus malans archanneleda. Saccocurres sp. Porotodrilus sp.

Loucyfera (840209.2)
Wanaloricus mysticis
Tush Shell: Elnterstitial Dentaluim
(840209.2)

Six Wile Site Od. 16, 1984 Collectors: Hugh Reichardt, Woody Lee, Sherry Pebly MhW & RPH & 841016.1 Time elon: 9:18 1 ime Out: 9:28 doran C cln: 43310.1 62004.8 Joran C Out: 43309.4 RH 1954 Depth: 58 St. Dear: Onchor Dredge Sectionent: Shell heath Jourai Rinsseynets (Esters & Semnod) tordigad. Jume Eln: 9.35 Time Oud 1 9:45 doran C In: 43310.6 62004.0 Loron (Dul: 43311.0 Depth 14396.6 Dear: anchor Dredge Declinent combined & #1

8410 16.2 Time Con: 9:58

RH 1955

Time Out: 10:08

Horan C Cln: 43320.4

14398.1

Joran C Out: H3320.7 14398.2

Jear: Anchor Dredge
Sediment: Shell howh

841016.3 Leme cln: 10:19 Turne Dut: 10:29 RH 1956 dozan C Eln: 43320.1 14460.0 Joran C Out: 43320,4 14400.0 Dear: anchor Dredge Sedement coarse sand mised w. shell Hanna: Sipuncielans, Remor (Pyonop, Echino & Semmoderes)
841016.4 Tardigrades line Un: 10:40 ume Dut. 10:50 doran C Eln: 43309.8 RH 1957 14399,9 doran Cout: 43309,9 14400.0 Sear: Anchor chredge Sediment: Course stand

841016.5 RH 1958 lume clon: 11:12 June Out: 11:17 doran C eln: 43299.9 14397.9 doran C Out: 43300,0 14398.0 Gear: anchor Fredgy Sedement: Coarse Sand Tauna stotifers, mise standigrades, Semnoderes y Echinoderes, mary tandigrades 84016.6 Time Un: 11:35 Time Out: 11:40 Loran Celn: 43300.0 RH1959 14396.1 Joran C Out: 43300,7 14396.2 Gear: anchor Dredgt Sediment: Coarse sand with shell

